

KGI Henry E. Riggs School of Applied Life Sciences
2019 Fall Course List (Updated 9-5-19)

Course	Title	Units	Instructor	Semester	Room	Day	Time
ALS 300-1	Molecular Biotechnology	1.5	Ray / Levitin	F1	121 Rm 1110	MW	9:00-10:20
ALS 300-2	Molecular Biotechnology	1.5	Ray / Levitin	F1	121 Rm 1111	MW	10:30-11:50
ALS 312	Introduction to Bioprocessing	1.5	Behrens	F1	121 Rm 1110	TR	10:30-11:50
ALS 320-1	Medical Diagnostics	3	Niemz / Schlappi	FS	517 rm. 137	MW	9:00-10:20
ALS 320-2	Medical Diagnostics	3	Niemz / Schlappi	FS	517 rm 137	MW	10:30-11:50
ALS 320-3	Medical Diagnostics	3	Niemz / Schlappi	FS	517 rm. 137	MW	1:00-2:20
ALS 330-1	Pharmaceutical Discovery	1.5	Martchenko	F1	517 rm 137	TR	9:00-10:20
ALS 330-2	Pharmaceutical Discovery	1.5	Martchenko	F1	517 rm 137	TR	10:30-11:50
ALS 333-1	Pharmaceutical Development	1.5	Grill	F2	517 rm 137	TR	9:00-10:20
ALS 333-2	Pharmaceutical Development	1.5	Grill	F2	517 rm 137	TR	10:30-11:50
ALS 334	Computer Aided Design	1.5	Hickerson	F1	517 Computer lab	TR	10:30-11:50
ALS 335	Prototyping Methods	1.5	Hickerson	F2	121 MAD Lab (Rm 1112)	TR	10:30-11:50
ALS 342	Applications of Statistics	1.5	Kumar/Motyka	F1	121 Rm 1111	F	9:00-11:50
ALS/MEB 350-1	Finance and Accounting Principles	1.5	Bergevin	F2	121 Rm 1110	TR	2:30-3:50
ALS 350-2	Finance and Accounting Principles	1.5	Bergevin	F2	121 Rm 1110	TR	4:00-5:20
ALS 350-3	Finance and Accounting Principles Section cancelled	1.5	Bangsund	F2	Online	TR	9:00-10:20
ALS 359-4	Introduction to Bioscience Industries	3	Casper	FS	121 Rm 1110	TR	9:00-10:30
MEB 359-1	Introduction to Bioscience Industries	3	Casper	FS	535 Room 109	TR	10:30-11:50
ALS 359-2	Introduction to Bioscience Industries	3	Casper	FS	121 Rm 1110	TR	1:00-2:20
ALS 359-3	Introduction to Bioscience Industries Section Cancelled	3	Casper / Pomeroy	FS	Online	MW	9:00-10:20
ALS 360	Business/Science Communications	1.5	Long	F1	121 Rm 1110	TR	4:00-5:20
ALS 362	Introduction to US Food and Drug Law	1.5	Davis	F1	121 Rm 1110	M	2:30-5:20
ALS 380	Medical Terminology	3	Graffeo	FS	121 Rm 1110	T	5:30-8:20
ALS 390	Clinical Experience for Engineers	3	Hickerson	FS	tbd		
ALS 397	Professional Development	0	Cossey	FS	TBD	select dates for workshops	1:00-5:00
ALS 398-1	Premedicine Professional Development	1.5	Kim / Munoz	FS	517 rm. 137	T	1:00-2:20
ALS 398-2	Premedicine Professional Development	1.5	Kim / Munoz	FS	517 rm. 137	R	1:00-2:20
ALS/MEB 400-2	Team Master's Project	3	Gruys	FS	Team meetings		
ALS/MEB 400-1	Team Master's Project	4.5	Gruys	FS	Team meetings		
ALS/MEB 400-3	Team Master's Project	6	Gruys	FS	Team meetings		
ALS 403	Team Master's Project Management	1.5	Gruys	FS	517 Rm 165	W *look for announcement for specific dates	5:30-6:50
ALS 405	Advanced Medical Devices (Drug Delivery)	1.5	Aran / Sterling	F1	121 Rm 1111	TR	9:00-10:20
ALS412	Biomedical Signal Processing	1.5	Hickerson	F2	121 MAD Lab (Rm 1112)	MW	10:30-11:50
ALS418	Medical Product Quality Assurance & Control	1.5	Maldonado	F2	517 rm 137	R	5:30-8:20
ALS 421	Mammalian Cell Culture Lab	1.5	Escalante	F1	535 rm 152	tbd	
ALS 424	Business Operations	3	Arnheiter	FS	121 Rm 1111	T	2:30-5:20
ALS 427	Mammalian Cell Biotechnology	1.5	tbd	F2	West Conference Room	TR	9:00-10:30
ALS 434	Clinical Biostatistics	3	Gorman	FS	517 rm 137	M	4:00-6:50
ALS 435	Medical Device Regulations	1.5	Maher	F2	517 rm 137	T	5:30-8:20
ALS 437	Clinical Pharmacology I	3	Rothfeld	FS	121 Rm 1110	W	2:30-5:20
ALS 439	Drug and Biologic Regulations	1.5	Davis	F2	121 Rm 1110	M	2:30-5:20
ALS 449	Leadership in Organizations	1.5	Kumar	F2	121 Rm 1111	MW	10:30-11:50
ALS 451	Organizational Behavior	3	Kumar	FS	517 rm. 137	MW	2:30-3:50
ALS 452a	Healthcare Economics	1.5	Choi	F1	121 Rm 1110	MW	1:00-2:20
ALS 452b	Advanced Healthcare Economics	1.5	Choi	F2	121 Rm 1110	MW	1:00-2:20
ALS 457	Building an Entrepreneurial Organization	1.5	West	F1	121 Rm 1111	M	4:00-6:50
ALS 480	Medical Harm Reduction	1.5	Rothfeld	FS	121 Rm 1110	W	10:30-11:50
ALS 481a	Fundamental Papers in Applied Medicine	1.5	Ray	F1	121 Rm 1111	MW	1:00-2:20
ALS 493	Independent Research	1.5/3	Staff	F1/F2/FS			
ALS 495	Master Thesis	6	Levitin	FS			
ALS/MEB 497	Independent Study	1.5/3	Staff	F1/F2/FS			
ALS 498	Professional Development for Scientists Class cancelled	1.5	Sterling	FS	Online	F	9:00-10:20
ALS 503	Current Topics in Applied Life Sciences & Ethics / Responsible Conduct of Research	1.5	Schlappi	FS	TBD		
ALS504	PhD Research & Milestones	13.5	Kolluru	FS	TDB		
GENE 312	Programming for the Biosciences	3	Dodds	FS	121 Rm 1113	Saturdays: 9/7, 9/14, 9/21, 9/28, 10/12, 10/19, 11/9, 11/16, 11/23, 12/7, 12/14	12:30-4:30

KGI Henry E. Riggs School of Applied Life Sciences

2019 Fall Course List

Course	Title	Units	Instructor	Semester	Room	Day	Time
MEB 301	Mathematics for Scientists	1.5	Zhang	F1	535 Rm 152	T 1:00-2:20 & F 9:00-10:20	
MEB 304	Molecular Biology and Biotechnology	1.5	Levitin	F1	535 Rm 152	TR	2:30-4:00
MEB 305	Introduction to Bioprocessing Fundamentals	1.5	Tolstorukov	F1	535 Rm 152	Intentives 9/20, 9/27 & additional date tbd	
MEB 306	Bioprocess Fundamental Laboratory (Vector & Strain Design & Development)	1.5	Tolstorukov	F2	535 Rm 152	F	10:30-5:20
MEB 307	Introduction to Biology and Biochemistry for Engineers	3	Levitin	FS	215 Bldg Rm 214	TR	9:00-10:30
MEB 312	Bioprocess Engineering Principles	1.5	Behrens	F2	535 Rm 152	TR	1:00-2:20
MEB 317	CMC Regulatory and Quality	3	Parti	FS	535 Rm 152	Intensive 9:00-5:00 Sept 10-12 & Mondays 2-3:30pm	
MEB 323	Fluid Flow, Heat Transfer, and Mass Transfer Bioprocess Operations	3	Sterling	FS	535 Rm 152	TR	10:30-11:50
ALS/MEB 350-1	Finance and Accounting Principles	1.5	Bergevin	F2	121 Rm 1110	TR	2:30-3:50
MEB 359-1	Introduction to Bioscience Industries	3	Casper	FS	535 Rm 109	TR	10:30-11:50
MEB 360	Microbial Fermentation	1.5	TBD	F2	535 Rm 152	T 4:00-5:20 & F 9:00-10:30	
MEB 362	Mammalian Cell Culture Lab	1.5	Escalante	FS	535 Rm 152	W	9:00-5:00
ALS/MEB 400-2	Team Master's Project	3	Staff	FS	535 Rm 152	M	9:00-5:00
MEB 403	Chemistry, Manufacturing & Controls Regulation of Biologics	1.5	Parti	F1	535 Rm 109	TR	2:30-3:50
MEB 408	Team Design Project	6	Behrens/Parti/ Zhang	FS	535 Rm 109	W 9:00-5:00 & F 9:00-5:00	
MEB 410	Principles of Bioprocess Engineering Design & Practice		Zhang	F1	535 Rm 109	TR	9:00-10:20
MEB 429	Bioseparations Engineering	1.5	Glenn	F2	535 Rm 109	TR	5:30-8:30
MEB 495	MS Bioprocessing Thesis	6	Staff	FS			
ALS/MEB 497	Independent Study	3	Staff	F1/F2/FS	535 Rm 109	M	9:00-5:00

Fall 2019 Module 1

Start Date		3-Sep	4-Sep	5-Sep	6-Sep	
End Date		21-Oct	22-Oct	23-Oct	24-Oct	25-Oct
Time	Room	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-9:00						
9:00-10:20	121 Rm 1110	ALS300-1 Ray/Levitin	ALS359-3 Casper	ALS300-1 Ray/Levitin	ALS359-3 Casper	
	121 Rm 1111		ALS405 Aran/Sterling	ALS300-1 Ray/Levitin	ALS405 Aran/Sterling	ALS342 Kumar/Motyka
	517, rm 137	ALS320-1 Niemz/Schlappi	ALS330-1 Martchenko	ALS320-1 Niemz/Schlappi	ALS330-1 Martchenko	
	535 rm 152	MEB400 TMP Staff		MEB362 Escalante		MEB301 Zhang
	535 rm. 109	MEB497 Staff	MEB410 Zhang	MEB408 Behrens/Parti/Zhang	MEB410 Zhang	MEB408 Behrens/Parti/Zhang
	Other rooms		MEB307 Levitin 215 York, Rm 214		MEB307 Levitin 215 York, Rm 214	
	Online					
10:30-11:50	121 Rm 1110		ALS312 Behrens	ALS480 Rothfeld	ALS312 Behrens	
	121 Rm 1111	ALS300-2 Ray/Levitin		ALS300-2 Ray/Levitin		ALS342 Kumar/Motyka
	517, rm 137	ALS320-2 Niemz/Schlappi	ALS330-2 Martchenko	ALS320-2 Niemz/Schlappi	ALS330-2 Martchenko	
	535 rm 152	MEB400 TMP Staff	MEB323 Sterling	MEB362 Escalante	MEB323 Sterling	MEB305 Tolstorukov
	535 rm. 109	MEB497 Staff	MEB359-1 Casper	MEB408 Behrens/Parti/Zhang	MEB359-1 Casper	MEB408 Behrens/Parti/Zhang
	Other rooms		ALS334 Hickerson Computer Lab		ALS334 Hickerson Computer Lab	
	Online					
12:00-12:50	121 Rm 1110					
	121 Rm 1111					
	517, rm 137					
	535 rm 152	MEB400 TMP Staff				
	535 rm. 109	MEB497 Staff		MEB408 Behrens/Parti/Zhang		MEB408 Behrens/Parti/Zhang
	Other rooms					
	Online					
1:00-2:20	121 Rm 1110	ALS452a Choi	ALS/MEB 359-2 Casper	ALS452a Choi	ALS/MEB 359-2 Casper	
	121 Rm 1111	ALS481a Ray		ALS481a Ray		
	517, rm 137	ALS320-3 Niemz/Schlappi	ALS398-1 Kim/Munoz	ALS320-3 Niemz/Schlappi	ALS398-2 Kim/Munoz	
	535 rm 152	MEB400 TMP Staff	MEB301 Zhang	MEB362 Escalante	MEB317 Parti	
	535 rm. 109	MEB497 Staff		MEB408 Behrens/Parti/Zhang		MEB408 Behrens/Parti/Zhang
	Other rooms					
	Online					
2:30-3:50	121 Rm 1110	ALS362 Davis		ALS437 Rothfeld		
	121 Rm 1111		ALS424 Arnheiter			
	517, rm 137	ALS451 Kumar		ALS451 Kumar		
	535 rm 152	MEB400 TMP Staff	MEB304 Levitin	MEB362 Escalante	MEB304 Levitin	
	535 rm. 109	MEB497 Staff	MEB403 Parti	MEB408 Behrens/Parti/Zhang	MEB403 Parti	MEB408 Behrens/Parti/Zhang
	Other rooms					
	Online					
4:00-5:20	121 Rm 1110	ALS362 Davis	ALS360 Long	ALS437 Rothfeld	ALS360 Long	
	121 Rm 1111	ALS457 West	ALS424 Arnheiter			
	517, rm 137	ALS434 Gorman				
	535 rm 152	MEB400 TMP Staff		MEB362 Escalante		
	535 rm. 109	MEB497 Staff		MEB408 Behrens/Parti/Zhang		MEB408 Behrens/Parti/Zhang
	Other rooms					
	Online					
5:30-6:50	121 Rm 1110		ALS380 Graffeo			
	121 Rm 1111	ALS457 West				
	517, rm 137	ALS434 Gorman				
	535 rm 152					
	535 rm. 109			ALS403 Gruys 517 rm 165 5:30-6:50	ALS403 Gruys 517 rm 165 5:30-6:50	
	Other rooms					
	Online					
7:00-8:20	121 Rm 1110		ALS380 Graffeo			
	517, rm 137					
	535 rm. 109					
	Online					
8:30-9:50						

Fall 2019 Module 2

		Start Date	28-Oct	29-Oct	30-Oct	31-Oct	1-Nov
		End Date	9-Dec	10-Dec	11-Dec	12-Dec	13-Dec
		Finals	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec
Time	Room	Monday	Tuesday	Wednesday	Thursday	Friday	
8:00-9:00	121 Rm 1110		ALS359-3 Casper		ALS359-3 Casper		
	121 Rm 1111		ALS427 TBD		ALS427 tbd		
	517, rm 137	ALS320-1 Niemi/Schlappi	ALS333-1 Grill	ALS320-1 Niemi/Schlappi	ALS333-1 Grill		
	535 rm 152	MEB400 TMP Staff	MEB307 Levitin	MEB362 Escalante	MEB307 Levitin	MEB360 Tolstorukov	
	535 rm. 109			MEB408 Behrens/Parti/Zhanq		MEB408 Behrens/Parti/Zhan	
	Other rooms		MEB307 Levitin 215 York, Rm 214		MEB307 Levitin 215 York, Rm 214		
	Online						
9:00-10:20	121 Rm 1110			ALS480 Rothfeld			
	121 Rm 1111	ALS449 Kumar		ALS449 Kumar			
	517, rm 137	ALS320-2 Niemi/Schlappi	ALS333-2 Grill	ALS320-2 Niemi/Schlappi	ALS333-2 Grill		
	535 rm 152	MEB400 TMP Staff	MEB323 Sterling	MEB362 Escalante	MEB323 Sterling	MEB306 Tolstorukov	
	535 rm. 109	MEB497 Staff	MEB359-1 Casper	MEB408 Behrens/Parti/Zhanq	MEB359-1 Casper	MEB408 Behrens/Parti/Zhan	
	Other rooms	ALS412 Hickerson MAD Lab	ALS335 Hickerson MAD Lab	ALS412 Hickerson MAD Lab	ALS335 Hickerson MAD Lab		
	Online						
10:30-11:50	121 Rm 1110						
	121 Rm 1111						
	517, rm 137						
	535 rm 152	MEB400 TMP Staff					
	535 rm. 109	MEB497 Staff		MEB408 Behrens/Parti/Zhanq		MEB408 Behrens/Parti/Zhan	
	Other rooms						
	Online						
12:00-12:50	121 Rm 1110						
	121 Rm 1111						
	517, rm 137						
	535 rm 152	MEB400 TMP Staff					
	535 rm. 109	MEB497 Staff		MEB408 Behrens/Parti/Zhanq		MEB408 Behrens/Parti/Zhan	
	Other rooms						
	Online						
1:00-2:20	121 Rm 1110	ALS452b Choi	ALS/MEB 359-2 Casper	ALS452b Choi	ALS/MEB 359-2 Casper		
	121 Rm 1111						
	517, rm 137	ALS320-3 Niemi/Schlappi	ALS398-1 Kim/Munoz	ALS320-3 Niemi/Schlappi	ALS398-2 Kim/Munoz		
	535 rm 152	MEB400 TMP Staff	MEB312 Behrens	MEB362 Escalante	MEB312 Behrens	MEB306 Tolstorukov	
	535 rm. 109	MEB497 Staff		MEB408 Behrens/Parti/Zhanq		MEB408 Behrens/Parti/Zhan	
	Other rooms						
	Online						
2:30-3:50	121 Rm 1110	ALS439 Davis	ALS/MEB350-1 Bergevin	ALS437 Rothfeld	ALS/MEB350-1 Bergevin		
	121 Rm 1111		ALS424 Amheiter				
	517, rm 137	ALS451 Kumar		ALS451 Kumar			
	535 rm 152	MEB400 TMP Staff		MEB362 Escalante		MEB306 Tolstorukov	
	535 rm. 109			MEB408 Behrens/Parti/Zhanq		MEB408 Behrens/Parti/Zhan	
	Other rooms						
	Online						
4:00-5:20	121 Rm 1110	ALS439 Davis	ALS350-2 Bergevin	ALS437 Rothfeld	ALS350-2 Bergevin		
	121 Rm 1111		ALS424 Amheiter				
	517, rm 137	ALS434 Gorman	ALS435 Maher				
	535 rm 152	MEB400 TMP Staff	MEB360 tbd	MEB362 Escalante	MEB312 tbd	MEB306 Tolstorukov	
	535 rm. 109	MEB497 Staff		MEB408 Behrens/Parti/Zhanq		MEB408 Behrens/Parti/Zhan	
	Other rooms						
	Online						
5:30-6:50	121 Rm 1110		ALS380 Graffeo				
	121 Rm 1111						
	517, rm 137	ALS434 Gorman	ALS435 Maher		ALS418 tbd		
	535 rm 152						
	535 rm. 109		MEB429 Glenn		MEB429 Glenn		
	Other rooms			ALS403 Grubs 517 rm 165 5:30-6:50	ALS403 Grubs 517 rm 165 5:30-6:50		
	Online						
7:00-8:20	121 Rm 1110		ALS380 Graffeo				
	517, rm 137		ALS435 Maher		ALS418 tbd		
	535 rm. 109		MEB429 Glenn		MEB429 Glenn		
8:30-9:50							